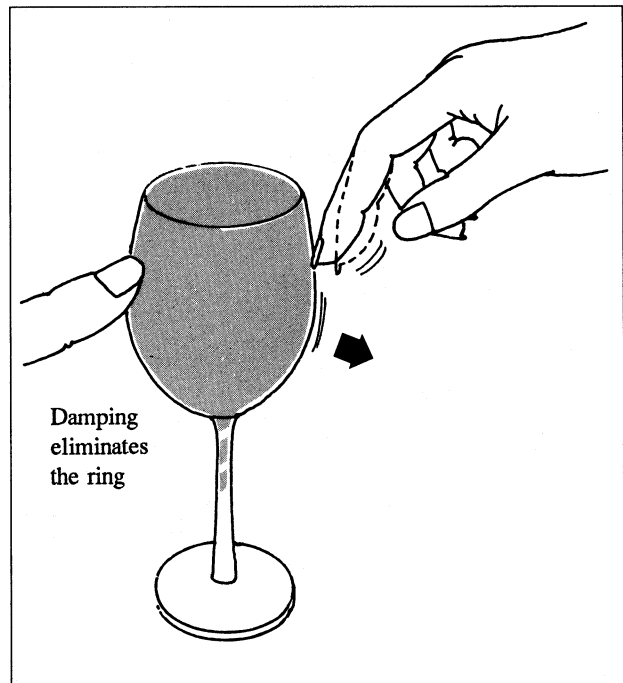
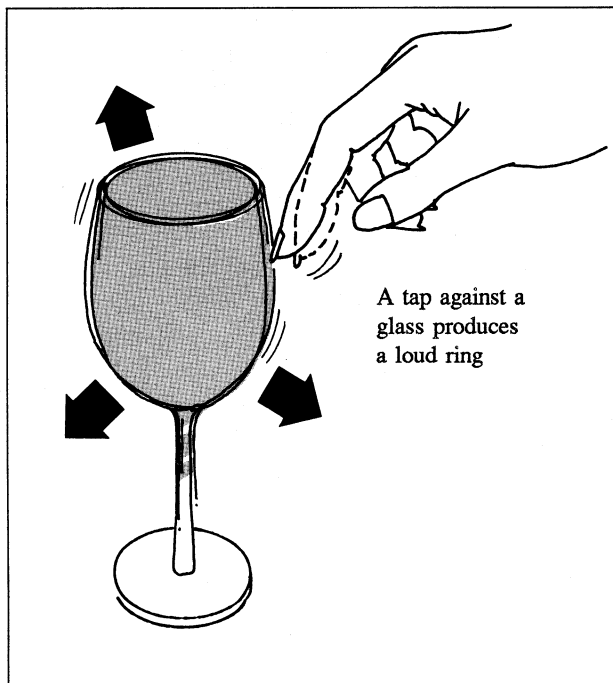


RESONANCE AMPLIFIES NOISE BUT IT CAN BE DAMPED

Resonance greatly increases noise from a vibrating plate, but it can be suppressed or prevented by damping the plate.

It may often be sufficient to damp only part of the surface, and, in some rare cases, damping of a single point is effective.

Principle



Application to metal working

Example

An automatic tooth grinder for circular saw blades produces intense resonance sound

Control Measure

A rubber sheet clamped to the saw blade by a sheet metal plate damps the resonance

